GREEK/MATH CHARACTER SET OPTION

INSTALLATION GUIDE

FOR

VT-100 CRT TERMINAL

March 1982

Warranty

MARC Software International, Inc. warrants the Greek/Math Character Set Option EPROM to the original owner for a period of 90 days from date of shipment that the EPROM and its contents are free from defects in material and workmanship and shall operate as stated when properly installed and used as directed. This warranty shall be void if it is improperly installed or is altered in any way.

No other warranty is expressed or implied.

Rights

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GREEK/MATH CHARACTER SET OPTION

Installation Instructions

These instructions give all necessary information for nontechnical personnel
to install the Greek Character Set Option EPROM* for use with the MUSE Word
Processing Software and the VT-100 CRT terminal.

A blade type screwdriver is the only tool required for installation.

The use of the MUSE Greek Character Set Option requires the previous
installation of the Advanced Video Option card (shown in Figure 2) which is
manufactured by Digital Equipment Corporation. If this board has not
already been installed, follow the installation instructions accompanying
the Advanced Video Option kit for your VT100 terminal.

1. Remove power from terminal by disconnecting POWER CORD CONNECTOR
    (Figure 2).

2. Unplug the KEYBOARD CONNECTOR (Figure 2).

3. Unplug the EXTERNAL VIDEO OUTPUT and EXTERNAL VIDEO INPUT CONNECTORS
    (Figure 2).

4. Disconnect the EIA COMMUNICATIONS CABLE (Figure 2).

5. With a blade type screwdriver, loosen the four CAPTIVE SCREWS holding
    the access cover.

6. If the 20 mA Current Loop Option (Figure 1) is installed, gently pull
    the access cover away from the terminal, about 5 cm (2 inches), and
    then reach in and disconnect J5 (see Figure 2) from the terminal
    controller board.

7. Remove the access cover (Figure 2).

8. Remove the terminal controller board by gently but firmly pulling the
    board straight out. The Terminal Controller Board is located in the
    left-most slot in the card cage.

9. Place the terminal controller board on a flat surface with the
    component side up (Figure 1).

10. The MUSE GREEK/MATH Character Set Option chip is installed on the
    Terminal Controller Board, NOT on the Advanced Video Option Board,
    although both boards have empty sockets. The MUSE Greek Character Set
    chip will be installed on the lower left hand corner of the Terminal
    Controller Board as shown in Figure 1. Note: there is only one empty
    socket for chips in this area.

*   Note: An EPROM is a 24 pin semiconductor chip and the name, EPROM,
    stands for Electrically-Programmable-Read-Only-Prom. The EPROM contains
    the information which defines the GREEK/MATH CHARACTER SET.

11. Carefully remove the MUSE GREEK/MATH Character Set Option EPROM from
     the protective conducting foam and gently place it on the chip socket.
     DO NOT PUSH DOWN ON THE CHIP AT THIS TIME. Locate the white dot on one
     end of the EPROM and be sure it is on the same end as the small notch
     that appears only on one end of the chip socket.

     Failure to observe this orientation will permanently damage the Greek
     Character Set Option EPROM.

12. The insertion of the EPROM into the socket requires considerable
     attention to detail. First align one row of pins in the socket, then
     gently push sideways against the chip until the opposite row of pins
     starts to slip into place. At this point, one should examine that none
     of the pins are beginning to buckle or fold.

     Once both rows of pins are correctly aligned, firm pressure in the
     center of the chip will fully seat it into the socket.

13. Reinstall the Terminal Controller Board. The Terminal Controller Board
     must be inserted into the left-most slot in the card cage.

     Please observe the orientation shown in Figure 1 so that the EIA
     communication connector appears at the lower-edge of the board.

14. Reinstall the access cover.

CHECKOUT:

Use the following procedure to check out the operation of the MUSE
GREEK/MATH Character Set Option.

1. Turn the terminal power on and verify that no error was detected during
    the power up self-test.

2. Press the SET-UP key. The words "SET-UP A" should blink in boldface,
    the words "TO EXIT PRESS SET-UP" should be underlined, and the ruler
    should contain alternating normal and reverse video fields.

3. Place the terminal in the 132-column mode and then in the LOCAL mode.

4. Exit SET-UP and type the following sequence:

        ESC(1

    Now when you type, the alternate GREEK/MATH Character Set Option should
    appear on the screen in correspondence with Figure 3.

    To exit the Greek Character Set and return to standard ASCII characters
    type the following sequence:

        ESC(B

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RELATED DOCUMENTS:

The following VT100 hardware manuals can be purchased from DIGITAL Equipment Corporation's Accessory and Supply Group.

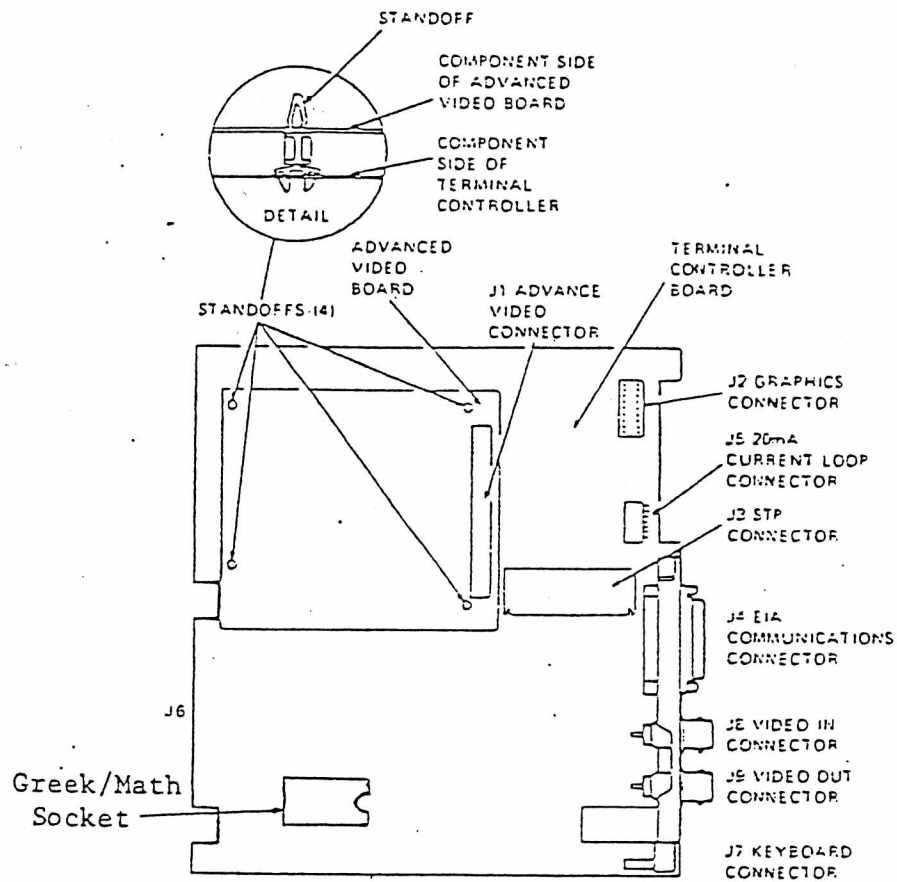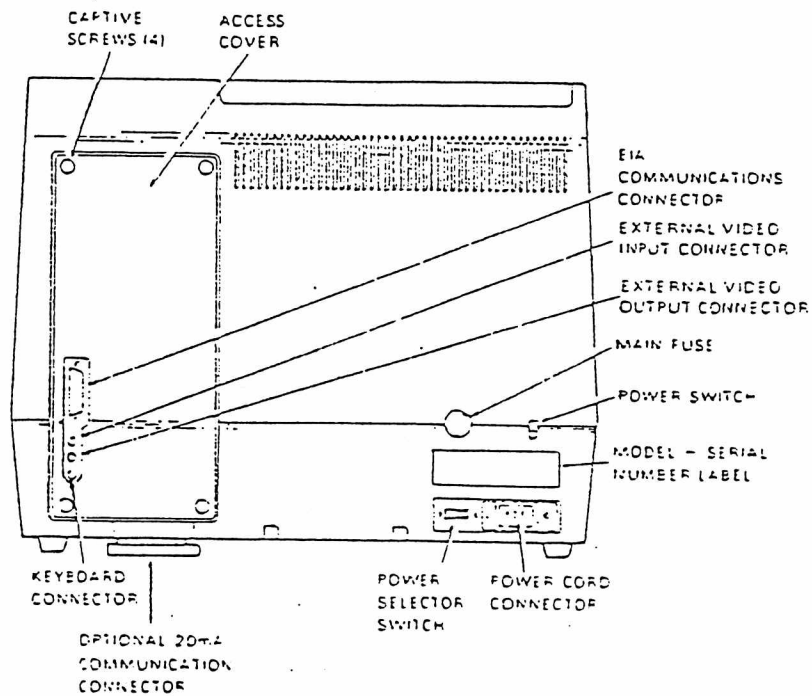| Part No.	Title
EK-VT100-UG	VT100 User's Guide
EK-VT100-JI	VT100 Mini Maintenance Manual
EK-VT100-TM	VT100 Technical Manual
EK-VT100-IP	VT100 Illustrated Parts Breakdown (IBP)
MP-00663	VT100 Print Set

FIGURE #1

TOP VIEW OF TERMINAL CONTROLLER BOARD

FIGURE #2

REAR VIEW OF VT100

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│                                     │
│        GREEK/MATH SYMBOLS           │
│                                     │
│                                     │
│   1  2  3  4  5  6  7  8  9  0   ⌐  ° │
│   1 2 3 4 5 6 7 8 9 0 =- =  ⌐  ` │
│                                     │
│                                     │
│   π | { } ±  ,  ⌐ ⌐ ⌐ ⌐  ⌐  ⌐ │
│   ! @ # $ % ^ & * ( )  _  + │
│                                     │
│                                     │
│   ϒ δ ε θ τ υ ξ ι ο ρ √ + │
│   q w e r t y u i o p [ ] │
│                                     │
│                                     │
│   Γ Δ ← Θ → T Ξ ↑ ↓ ℓ ° ™ │
│   Q W E R T Y U I O P { } │
│                                     │
│                                     │
│   α σ φ ι λ η ⌐ κ ω ¨ ÷   = │
│   a s d f g h j k l ; '   \ │
│                                     │
│                                     │
│   ∇ Σ Φ < Λ ℥ > § Ω ^ ·   ® │
│   A S D F G H J K L : "   ¦ │
│                                     │
│                                     │
│   ζ χ ψ × β ν μ ´ ~ ⌐ │
│   z x c v b n m , . / │
│                                     │
│                                     │
│   = ≡ Ψ ∝ ∞ ∿ ∂ Π ↑ ∫ │
│   Z X C V B N M < > ? │
│                                     │
│                                     │
│          VT100/DIABLO               │
│                                     │
│  (Printwheel 'Gen.Sci.' #38141)     │
│                                     │
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FIGURE #3

CORRESPONDING ENGLISH AND GREEK/MATH CHARACTERS

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